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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5 : C12N 15/61, 9/90, 5/10 C12Q 1/533		A1	(11) International Publication Number: . WO 92/19745 (43) International Publication Date: 12 November 1992 (12.11.92)
(21) International Application Number: PCT/US92/03993 (22) International Filing Date: 7 May 1992 (07.05.92) (30) Priority data: 697,113 8 May 1991 (08.05.91) US (71) Applicant: VERTEX PHARMACEUTICALS, INC. [US/ US]; 40 Allston Street, Cambridge, MA 02139-4211 (US). (72) Inventor: HARDING, Matthew, W. ; 171 Willow Street, Acton, MA 01720 (US). (74) Agents: GRANAHAN, Patricia et al.; Hamilton, Brook, Smith & Reynolds, Two Militia Drive, Lexington, MA 02173 (US).		(81) Designated States: AT, AT (European patent), AU, BB, BE (European patent), BF (OAPI patent), BG, BJ (OAPI patent), BR, CA, CF (OAPI patent), CG (OAPI patent), CH, CH (European patent), CI (OAPI patent), CM (OAPI patent), CS, DE, DE (European patent), DK, DK (European patent), ES, ES (European patent), FI, FR (European patent), GA (OAPI patent), GB, GB (Eu- ropean patent), GN (OAPI patent), GR (European pa- tent), HU, IT (European patent), JP, KP, KR, LK, LU, LU (European patent), MC (European patent), MG, ML (OAPI patent), MN, MR (OAPI patent), MW, NL, NL (European patent), NO, PL, RO, RU, SD, SE, SE (Euro- pean patent), SN (OAPI patent), TD (OAPI patent), TG (OAPI patent). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(54) Title: RFKBP: A NOVEL PROLYL ISOMERASE AND RAPAMYCIN/FK506 BINDING PROTEIN			
<p> GTTGACTCCGGGGGGCGCGGCGAGGAGAGACATGAGGCTGAGCTG GTTCCGGGTCTCTGACAGTACTGTCCATCTGCCTGAGCGCCGTGGC CACGGCCACGGGGGGCCGAGGGCAAAGGAAGCTGCAGATCGGGG TCAAGAAGCGGGTGGACCACTGTCCCATCAAATCGCGCAAAGGG GATGTCCTGCACATGCACTACACGGGGGAAGCTGGAAGATGGGAC AGAGTTTGACAGCAGCCTGCCCCAGAACCAGCCCTTTGTCTTCTC CCTTGGCACAGGCCAGGTCATCAAGGGCTGGGACCAGGGGGCTGC TGGGGATGTGTGAGGGGGGAAAAGCGCAAGCTGGTGATCCCATCC GAGCTAGGGTATGGAGAGCGGGGAGCTCCCCCAAAGATTCCAGG CGGTGCAACCCTGGTGTTTCGAGGTGGAGCTGCTCAAAATAGAGCG ACGAACTGAGCTGTAACCAGACTGGGGAGGGGCAGGGGGAGAGG CCCCATCAGGGACCAGACTGTTCCAAAAAACAACAAAAACA AAAACAAACAAAAAACAACCTTAAAAGCCAAG </p>			
(57) Abstract <p> A novel prolyl isomerase, RFKBP, which binds FK506 and rapamycin with quantitatively significant selectivity and does not bind cyclosporin A and the molecular cloning of a cDNA (SEQ ID NO: 6) whose sequence predicts a chemically determined amino acid sequence of RFKBP. The deduced protein of the cDNA is 142 amino acid residues in length (SEQ ID NO: 7). </p>			